

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION PURSUANT TO 37 CFR §1.97 &amp; 1.98</b>	Docket Number:	Serial Number:
	4015-5091	
	Applicant:	
	Khayrallah, et al.	
	Filing Date:	Group:

U. S. PATENT DOCUMENTS

Examiner							Filing Date
Initial	Patent No.	Date	Name	Class	Subcl	If Approp.	

FOREIGN PATENT DOCUMENTS

						Translation	
Patent No.	Date	Name	Class	Subcl	Yes	No	

OTHER DOCUMENTS (including author, title, date, pages, etc.)

A	G.E. Bottomley, E. Sourour, R. Ramesh, and S. Chennakeshu; "Optimizing the Performance of Limited Complexity RAKE Receivers"; in Proc. 48 <sup>th</sup> IEEE Veh. Technol. Conf., Ottawa, Canada, May 18-21, 1998; pgs. 968-972.
B	R. Price and P.E. Green; "A Communication Technique for Multipath Channels"; Proceedings of the IRE; 1958; pgs. 555-570.
C	S. Fukumoto, K. Okawa, K. Higuchi, M. Sawahashi and F. Adachi; "Path Search Performance and its Parameter Optimization of Pilot Symbol-Assisted Coherent Rake Receiver for WCDMA Mobile Radio"; IEICE Trans. Comm., Vol. E83-A, No. 11; Nov. 2000; pgs. 2110-2119.
D	A.P. Hulbert; "Comprehensive RAKE - a Novel and Practical Receiver Architecture Offering Improved Performance"; Proc. IEEE ISSSTA, Oulu, Finland; July 4-6, 1994.
F	A. Baier, U. Fiebig, W. Granzow, W. Koch, P. Teder and J. Thielecke; "Design Study for a CDMA-based Third Generation Mobile Radio System"; IEEE JSAC, Vol. 12, No. 4; May 1994; pgs. 733-743.
G	P. Sehier and P. Brelivet; "Performance Evaluation of an Oversamples RAKE Receiver"; Proc. IEEE MILCOM; Vol. 2; 1994; pgs. 410-414.
H	G.L. Turin; "Introduction to Antimultipath Techniques and their Application to Urban Digital Radio"; Proc. IEEE, Vol. 68; March 1980; pgs. 328-353.
I	S. Abeta, S. Sampei, and N. Morinaga; "DS/CDMA Coherent Detection System with a Suppressed Pilot Channel"; Proc. IEEE Global Telecommun. Conf. (Globecom), San Francisco, CA; Nov. 28-Dec. 2, 1994; pgs. 1622-1626.
J	E. Del Re, R. Fantacci, and P. Giannoccaro; "Practical RAKE Receiver Architecture for the Downlink Communications in a DS-CDMA Mobile System"; IEEE Proc.-Commun., Vol. 145, No. 4; August 1998; pgs. 277-282.

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**OTHER DOCUMENTS** (including author, title, date, pages, etc.)

- K | U. Fawer, K.K. Dhar, and A.L. Welte; "A Multiprocessor Approach for  
| Implementing a Time-Diversity Spread Spectrum Receiver"; Proc. Intl. Zurich  
| Seminar on Digital Comm.; 1990; pgs. 173-180.
- L | U. Grob, A.L. Welte, E. Zollinger, R. Kung, and H. Kaufmann; "Microcellular  
| Direct-Sequence Spread-Spectrum Radio System Using N-Path RAKE  
| Receiver"; IEEE J. Sel. Areas Commun., Vol. ; June 1990; pgs. 772-790.
- M | H. Hamada, M. Nakamura, T. Kubo, M. Minowa, and Y. Oishi; "Performance  
| Evaluation of the Path Search Process for the W-CDMA System"; Proc. IEEE  
| Veh. Technol. Conf., Houston, TX; May 16-19, 1999; pgs. 980-984.
- N | K. Higuchi, H. Andoh, M. Sawahashi, and F. Adachi; "Experimental Evaluation of  
| Combined Effect of Coherent RAKE Combining and SIR-Based Fast Transmit  
| Power Control for Reverse Link of DS-CDMA Mobile Radio"; IEEE J. Sel. Areas  
| Commun., Vol. 18; August 2000; pgs. 1526-1535.
- O | A. Huang, M. Hall and I. Hartimo; "Multipath Channel Estimation for WCDMA  
| Uplink"; Proc. IEEE Veh. Technol. Conf., Amsterdam, Netherlands; Vol. 2;  
| Sept. 19-22, 1999; pgs. 141-145.
- P | K.J. Kim, S.Y. Kwon, E.K. Hong, and K.C. Whang; "Effect of Tap Spacing on the  
| Performance of Direct-Sequence Spread-Spectrum RAKE Receiver"; IEEE Trans.  
| Commun., Vol. 48; June 2000; pgs. 1029-1036.
- Q | J.T.E. McDonnell, A.H. Kemp, J.P. Aldis, T.A. Wilkinson, and S.K. Barton;  
| "Simulated BER Performance of, and Initial Hardware Results from, the Uplink  
| in the U.K. LINK-CDMA Testbed"; Proc. IEEE Intl. Symp. Spread Spectrum  
| Techn. And Appl.; 1996; pgs. 229-233.
- R | Hafez Hadinejad-Mahrtam, Harald Elders-Boll, and Gholamreza Alirezaei;  
| "Performance Evaluation of Advanced Receivers for WCDMA Downlink  
| Detection"; 5 pgs.
- S | Nabil R. Yousef, and Ali H. Sayed; "A New Combined Architecture for CDMA  
| Location Searches and RAKE Receivers"; Proc. International Symposium on  
| Circuits and Systems (ISCAS); Geneva, Switzerland; May, 2000; 5 pgs.
- T | S. Sun, H. Sugimoto, L.K. Rasmussen, and T.J. Lim; "A Multipath Searcher with  
| the Hybrid CDMA Interference Canceller"; 0-7803-5718-3/00/00.00 2000 IEEE;  
| pgs. 931-935.
- U | Hwang, Bong-Jun; "Performance Analysis of Multipath Searcher in WCDMA  
| System"; UMTS System Research Lab, LG Electronics Inc.; 8 pgs.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation not in conformance and not considered. Include copy of this form with next communication to the applicant.